

AMENDMENTS TO THE SPECIFICATION:

Page 3, paragraphs 5 and 6:

Figure 2 shows a section through a cable according to the invention; [[and]]

Figure 3 is a schematic representation of a production process for a cable as depicted in

31 Figure 2[[.]] ; and

[Page 3, after paragraph 6, insert the following new paragraph:]

Figure 4 is a cross-section of Figure 1.

Page 3, paragraph 7, after "Detailed Description of the Invention"

32 Figure 1 shows an insulated conductor according to the teaching of the invention - in staggered view - with a metallic conductor 1, which is solid or consists of individual wires and is preferably made of copper. Conductor 1 or the individual wires of the conductor may be tin-plated. Over conductor 1, a first layer 2 of a glass filament/mica strip is provided, which is longitudinally introduced and applied to conductor 1 with an at least 50% overlap. The glass filament/mica strip consists of a glass filament fabric to which mica particles are bonded with a silicon resin. The next layer 3 also forms a glass filament/mica strip introduced longitudinally with an at least 50% overlap. The overlap seam 2a of the first layer 2 is offset by 180° in relation to the overlap seam 3a of the second layer 3. The first layer 2 is applied to conductor 1 in such a way that the mica layer is facing the conductor surface. Two threads 4 and 5 are wound cross-wise onto the second layer 3. Threads 4 and 5 are preferably glass or carbon fibers. An extruded insulation layer 6 forms the outer sheath of the insulated conductor. Figure 4 illustrates a corss-

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section of the insulated conductor. The insulating layer 6 may be made of an inexpensive plastic,
e.g. polyethylene. Said polyethylene, however, should be made flame resistant by means of
known additives to prevent flames from spreading in case of fire.
